

# Byung Moo Lee

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70  
papers

604  
citations

15  
h-index

21  
g-index

77  
ext. papers

807  
ext. citations

3.9  
avg, IF

5.4  
L-index

#	Paper	IF	Citations
70	UAV-Assisted RIS for Future Wireless Communications: A Survey on Optimization and Performance Analysis. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	5
69	Energy efficient scheduling and power control of massive MIMO in massive IoT networks. <i>Expert Systems With Applications</i> , <b>2022</b> , 200, 116920	7.8	0
68	QoS-Oriented Optimal Relay Selection in Cognitive Radio Networks. <i>Wireless Communications and Mobile Computing</i> , <b>2021</b> , 2021, 1-15	1.9	1
67	Energy-Efficient Operation of Massive MIMO in Industrial Internet-of-Things Networks. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 7252-7269	10.7	7
66	An Underwater Acoustic Channel Modeling for Internet of Things Networks. <i>Wireless Personal Communications</i> , <b>2021</b> , 116, 2697-2722	1.9	3
65	Massive MIMO With Downlink Energy Efficiency Operation in Industrial Internet of Things. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 4669-4680	11.9	5
64	. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 2585-2602	10.7	5
63	Energy Efficient Massive MIMO in Massive Industrial Internet of Things Networks. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	2
62	Enhanced Spectrum Access for QoS Provisioning in Multi-Class Cognitive D2D Communication System. <i>IEEE Access</i> , <b>2021</b> , 9, 33608-33624	3.5	2
61	Enabling NOMA in Overlay Spectrum Sharing in Hybrid Satellite-Terrestrial Systems. <i>IEEE Access</i> , <b>2021</b> , 9, 56616-56629	3.5	4
60	Cell-Free Massive MIMO for Massive Low Power Internet of Things Networks. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	3
59	. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	7
58	Self-Organized Efficient Spectrum Management through Parallel Sensing in Cognitive Radio Network. <i>Wireless Communications and Mobile Computing</i> , <b>2021</b> , 2021, 1-22	1.9	0
57	Quintuple Band Antenna for Wireless Applications with Small Form Factor. <i>Computers, Materials and Continua</i> , <b>2021</b> , 66, 2241-2251	3.9	3
56	NOMA in Cooperative Underlay Cognitive Radio Networks Under Imperfect SIC. <i>IEEE Access</i> , <b>2020</b> , 8, 86180-86195	3.5	54
55	Cognitive Radio-Assisted NOMA Broadcasting for 5G Cellular V2X Communications: Model of Roadside Unit Selection and SWIPT. <i>Sensors</i> , <b>2020</b> , 20,	3.8	3
54	Improved Underwater Horizontal Ranging Algorithm using Reflected Acoustic Wave. <i>Wireless Personal Communications</i> , <b>2020</b> , 111, 1775-1786	1.9	1

53	Transmit Antenna Selection Schemes for NOMA with Randomly Moving Interferers in Interference-Limited Environment. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 36	2.6	1
52	ODPV: An Efficient Protocol to Mitigate Data Integrity Attacks in Intelligent Transport Systems. <i>IEEE Access</i> , <b>2020</b> , 8, 114733-114740	3.5	9
51	Throughput Analysis of Multipair Two-Way Replaying Networks With NOMA and Imperfect CSI. <i>IEEE Access</i> , <b>2020</b> , 8, 128942-128953	3.5	13
50	Outage Performance Analysis of Reconfigurable Intelligent Surfaces-Aided NOMA Under Presence of Hardware Impairment. <i>IEEE Access</i> , <b>2020</b> , 8, 212156-212165	3.5	20
49	Massive MIMO With Massive Connectivity for Industrial Internet of Things. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 5187-5196	8.9	23
48	Efficient Pilot Decontamination Schemes in 5G Massive MIMO Systems. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 55	2.6	4
47	Distance Estimation Scheme Exploiting IR-UWB Radar with Clutter Suppressing Algorithm in Indoor Environments. <i>Journal of Electrical Engineering and Technology</i> , <b>2019</b> , 14, 1759-1769	1.4	2
46	Exploiting Joint Base Station Equipped Multiple Antenna and Full-Duplex D2D Users in Power Domain Division Based Multiple Access Networks. <i>Sensors</i> , <b>2019</b> , 19,	3.8	16
45	Tunable Substrate Integrated Waveguide Diplexer With High Isolation and Wide Stopband. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2019</b> , 29, 456-458	2.6	31
44	Adaptive Edge Preserving Weighted Mean Filter for Removing Random-Valued Impulse Noise. <i>Symmetry</i> , <b>2019</b> , 11, 395	2.7	12
43	Cylindrical Dielectric Resonator Antenna-Based Sensors for Liquid Chemical Detection. <i>Sensors</i> , <b>2019</b> , 19,	3.8	18
42	Simultaneous harvest-and-transmit ambient backscatter communications under Rayleigh fading. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2019</b> , 2019,	3.2	24
41	Experimental Investigation of a Planar Antenna with Band Rejection Features for Ultra-Wide Band (UWB) Wireless Networks. <i>International Journal of Antennas and Propagation</i> , <b>2019</b> , 2019, 1-11	1.2	5
40	On Performance Analysis of Underlay Cognitive Radio-Aware Hybrid OMA/NOMA Networks with Imperfect CSI. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 819	2.6	27
39	On Exact Outage and Throughput Performance of Cognitive Radio based Non-Orthogonal Multiple Access Networks With and Without D2D Link. <i>Sensors</i> , <b>2019</b> , 19,	3.8	22
38	Robust Transmit Antenna Design for Performance Improvement of Cell-Edge Users: Approach of NOMA and Outage/Ergodic Capacity Analysis. <i>Sensors</i> , <b>2019</b> , 19,	3.8	2
37	Outage Performance Improvement by Selected User in D2D Transmission and Implementation of Cognitive Radio-Assisted NOMA. <i>Sensors</i> , <b>2019</b> , 19,	3.8	2
36	An Efficient Neighbor Discovery Scheme for Mobile WSN. <i>IEEE Access</i> , <b>2019</b> , 7, 4843-4855	3.5	8

35	Modeling and Analysis of Wearable Antennas. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 7	2.6	2
34	An Easy Network Onboarding Scheme for Internet of Things Networks. <i>IEEE Access</i> , <b>2019</b> , 7, 8763-8772	3.5	7
33	Energy Efficient Selected Mapping Schemes Based on Antenna Grouping for Industrial Massive MIMO-OFDM Antenna Systems. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 4804-4814	11.9	19
32	Calibration for Channel Reciprocity in Industrial Massive MIMO Antenna Systems. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 221-230	11.9	18
31	Massive MIMO for Industrial Internet of Things in Cyber-Physical Systems. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 2641-2652	11.9	43
30	Implementation of a Regional Spectrum Sensing Based Cognitive Radio System for Digital TV White Space. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , <b>2018</b> , 35, 590-598	1.5	1
29	Improved Energy Efficiency of Massive MIMO-OFDM in Battery-Limited IoT Networks. <i>IEEE Access</i> , <b>2018</b> , 6, 38147-38160	3.5	15
28	Hierarchical Cloud Computing Architecture for Context-Aware IoT Services. <i>IEEE Transactions on Consumer Electronics</i> , <b>2018</b> , 64, 222-230	4.8	15
27	. <i>IEEE Access</i> , <b>2018</b> , 6, 71360-71367	3.5	1
26	Zero-forcing and codebook based beamforming scheme for practical usage of multiuser MIMO-OFDM with uplink channel sounding. <i>International Journal of Communication Systems</i> , <b>2017</b> , 30, e2918	1.7	5
25	Optimal transmission power determination to increase energy efficiency of large-scale MIMO antenna systems. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2017</b> , 31, 383-393	1.3	1
24	A combination of selected mapping and clipping to increase energy efficiency of OFDM systems. <i>PLoS ONE</i> , <b>2017</b> , 12, e0185965	3.7	8
23	Trellis Code Design of Block Interleaved CIOD-STBCs for Time Varying Channels. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 10542-10545	6.8	1
22	Simplified Antenna Group Determination of RS Overhead Reduced Massive MIMO for Wireless Sensor Networks. <i>Sensors</i> , <b>2017</b> , 18,	3.8	3
21	Energy Efficiency Gain of Cellular Base Stations with Large-Scale Antenna Systems for Green Information and Communication Technology. <i>Sustainability</i> , <b>2017</b> , 9, 1123	3.6	5
20	Beam Grouping Based RS Resource Reuse and De-Contamination in Large Scale MIMO Systems. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 96	2.6	3
19	Transmission Power Determination Based on Power Amplifier Operations in Large-Scale MIMO-OFDM Systems. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 709	2.6	6
18	Interference-Aware PAPR Reduction Scheme to Increase the Energy Efficiency of Large-Scale MIMO-OFDM Systems. <i>Energies</i> , <b>2017</b> , 10, 1184	3.1	3

17	Film Density Controlled-InGaZnO Multi-Stacked Channel Based Thin-Film Transistors Using a Solution Process. <i>Science of Advanced Materials</i> , <b>2017</b> , 9, 1578-1582	2.3	3
16	Design of an Energy Efficient Future Base Station with Large-Scale Antenna System. <i>Energies</i> , <b>2016</b> , 9, 1083	3.1	7
15	An Adaptive Clipping and Filtering Technique for PAPR Reduction of OFDM Signals. <i>Circuits, Systems, and Signal Processing</i> , <b>2013</b> , 32, 1335-1349	2.2	23
14	The Impact of Nonlinear HPA on the Determination of the Impulse Sample Power in IP-OFDM Systems. <i>Wireless Personal Communications</i> , <b>2013</b> , 70, 1353-1361	1.9	1
13	A Guard Band Decision Algorithm Based on Information of Spectrum Masks for OFDM-Based CR Systems. <i>Wireless Personal Communications</i> , <b>2013</b> , 68, 1463-1476	1.9	
12	An energy efficient antenna selection for large scale green MIMO systems <b>2013</b> ,		2
11	Minimizing transmit power for cooperative multicell system with massive MIMO <b>2013</b> ,		4
10	Compact ridged substrate integrated waveguide cavity backed slot antenna <b>2013</b> ,		1
9	A Computationally Efficient Tree-PTS Technique for PAPR Reduction of OFDM Signals. <i>Wireless Personal Communications</i> , <b>2012</b> , 62, 431-442	1.9	7
8	Performance Analysis of the Clipping Scheme with SLM Technique for PAPR Reduction of OFDM Signals in Fading Channels. <i>Wireless Personal Communications</i> , <b>2012</b> , 63, 331-344	1.9	14
7	The impact of impulse postfix length on the BER performance of IP-OFDM systems. <i>International Journal of Communication Systems</i> , <b>2011</b> , 24, 269-276	1.7	4
6	MIMO-OFDM PAPR reduction by selected mapping using side information power allocation <b>2010</b> , 20, 462-471		12
5	Design of an Adaptive Predistorter for Solid State Power Amplifier in Wireless OFDM Systems. <i>Research Letters in Signal Processing</i> , <b>2009</b> , 2009, 1-5		1
4	Practical determination of impulse sample power boosting factor in impulse postfix OFDM systems. <i>IEEE Communications Letters</i> , <b>2009</b> , 13, 187-189	3.8	3
3	Some New Nonlinear and Symbol Manipulation Techniques to Mitigate Adverse Effects of High PAPR in OFDM Wireless Communications <b>2008</b> , 245-255		
2	Side Information Power Allocation for MIMO-OFDM PAPR Reduction by Selected Mapping <b>2007</b> ,		1
1	Adaptive Predistorters for Linearization of High-Power Amplifiers in OFDM Wireless Communications. <i>Circuits, Systems, and Signal Processing</i> , <b>2006</b> , 25, 59-80	2.2	21